

Serial No. 10/575,860

Docket No. K-0800

Amdt. dated December 11, 2007

Reply to Office Action of September 26, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. A microwave oven, comprising:

a body forming an outer appearance;

an inner case in the body having a cooking chamber formed therein;

an outfit room at one side of the inner case, the outfit room having ~~various-a~~

plurality of electric parts; such as a magnetron, a high voltage transformer, mounted therein; and

a convection assembly mounted at a side of the inner case, ~~for transmitting that~~

transmits heat to the cooling chamber, wherein the convection assembly comprises:

a convection heater configured to generate heat for convention heating; and

a convention fan configured to transmit the heat generated by the heater to the

cooling chamber, and wherein the convention heater is positioned adjacent the convention fan.

2. (Currently Amended) The microwave oven as claimed in claim 1 ~~4~~ 21, wherein the

convection assembly is mounted in the outfit room.

3. (Currently Amended) The microwave oven as claimed in claim 2, further comprising a cooling fan on an upper surface of the outfit room ~~for directing~~ configured to direct air downward ~~for cooling~~ to cool the electric parts and the convection assembly.

4. (Currently Amended) The microwave oven as claimed in claim 2, further comprising a cooling fan at a rear upper corner of the outfit room ~~for cooling~~ configured to cool the electric parts and the convection assembly.

5. (Currently Amended) The microwave oven as claimed in claim 4, wherein the cooling fan is mounted tilted to face a front lower side of the outfit room ~~for directing~~ to direct air toward the electric parts and a side of the convection assembly.

6. (Currently Amended) The microwave oven as claimed in claim 2, wherein the body ~~has-comprises~~ an inlet in a front surface ~~for introducing~~ configured to introduce therethrough external air, and the outfit room has an opening ~~for guiding~~ configured to guide the external air introduced into the body through the inlet to the outfit room.

7. (Currently Amended) The microwave oven as claimed in claim 6, wherein the cooling fan is positioned under the opening ~~for cooling to cool~~ the electric parts and the convection assembly.

8. (Currently Amended) The microwave oven as claimed in claim 7, wherein the cooling fan is mounted tilted to face a front lower side of the outfit room ~~for directing to direct~~ air toward the electric parts and a side of the convection assembly.

9. (Currently Amended) The microwave oven as claimed in claim 2, wherein the outfit room ~~has~~ comprises an exhaust opening in an upper surface ~~for discharging configured to discharge~~ air from the outfit room.

10. (Currently Amended) The microwave oven as claimed in claim 9, further comprising a flow guide in the outfit room ~~for guiding configured to guide~~ air from the outfit room to the exhaust opening.

11. (Original) The microwave oven as claimed in claim 10, wherein the flow guide includes one end surrounding the magnetron, and the other end connected to the exhaust opening.

12. (Currently Amended) The microwave oven as claimed in claim 2, further comprising an exhaust duct in an upper portion of the outfit room in communication with the outfit room for ~~discharging~~ configured to discharge external air introduced into the outfit room to an outside of the body.

13. (Currently Amended) The microwave oven as claimed in claim 12, wherein the exhaust duct is extended to a front of the body, to discharge air from the outfit room to a front of the body.

14. (Currently Amended) The microwave oven as claimed in claim 12, wherein there is a flow guide in the outfit room for ~~guiding~~ configured to guide air introduced into the outfit room to the exhaust duct.

15. (Currently Amended) The microwave oven as claimed in claim ~~10~~ 14, wherein the flow guide includes one end surrounding the magnetron, and the other end connected to the exhaust opening.

16. (Currently Amended) The microwave oven as claimed in claim 2, further comprising:

first, and second holes in a bottom of the body;

an exhaust fan on an upper surface of the inner case ~~for introducing~~ configured to introduce air into an inside of the body through the first, and second holes; and

an exhaust opening in an upper surface of the body ~~for discharging~~ configured to discharge air passed through the exhaust fan to an outside of the body.

17. (Currently Amended) The microwave oven as claimed in claim 16, wherein; ~~between the body and the outfit room, there is a second exhaust flow passage for guiding is~~ positioned between the body and the outfit room to guide air introduced through the second hole to the exhaust fan.

18. (Currently Amended) The microwave oven as claimed in claim 16, wherein ~~there is an exhaust duct~~ is positioned in an upper portion of the outfit room ~~for discharging to~~ discharge external air introduced into the outfit room to an outside of the body.

19. (Original) The microwave oven as claimed in claim 18, wherein the exhaust duct is in communication with the second exhaust flow passage.

20. (Currently Amended) The microwave oven as claimed in claim 18, wherein ~~there~~ is a flow guide is positioned in the outfit room ~~in communication with the outfit room for~~ guiding to guide air introduced into the outfit room to the exhaust duct.

21. (New) The microwave oven as claimed in claim 1, wherein the plurality of electric parts includes a magnetron and a high voltage transformer.

22. (New) The microwave oven as claimed in claim 1, wherein the heater surrounds the fan.

23. (New) The microwave oven as claimed in claim 22, wherein the heater is ring-shaped.

24. (New) The microwave oven as claimed in claim 1, wherein a diameter of the convection fan is smaller than a diameter of the heater.

25. (New) The microwave oven as acclaimed in claim 12, wherein the convection assembly further comprises:

a fan motor coupled to the convection fan; and

Serial No. **10/575,860**

Docket No. **K-0800**

Amdt. dated December 11, 2007

Reply to Office Action of September 26, 2007

a heater cover that encloses the convection heater and the convection fan.

26. (New) The microwave oven as claimed in claim 1, wherein the convection assembly further comprising:

a plurality of temperature gauge configured to sense at least one of an inside temperature of the cooling chamber and a temperature of the heater.